



Chesterfield County, Virginia Department of Building Inspection

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Building Official

Requirements for Plumbing and Gas Plans (to be submitted with building permit application)

The following checklist contains the minimum plumbing and fuel gas details required on plans prior to processing the building permit application. This is a basic pre-submittal checklist that is intended to expedite the plan review process by minimizing the number of required revisions. Review these items and ensure that your plans are complete prior to submission.

The following will be required prior to release of the permit if applicable:

General Requirements

- ☐ Indicate authors name, occupation, and contact information. Engineer's Seal is required for 'I', 'E', 'H' use groups, buildings over 3-stories, and non-packaged equipment exceeding 350 F (other than flue gases), and pressures greater than 125 psi.
- ☐ Clearly distinguish new work from old work.
- ☐ Provide handicap elevation details and dimensions for all plumbing fixtures.
- ☐ A Plumbing/Gas Permit is required prior to scheduling inspections.

Water Service (from meter to within 5' of building)

- ☐ Indicate maximum developed length of pipe.
- ☐ Indicate water demand in water supply fixture units (see IPC-table E103.3(2)).
- ☐ Indicate size of water service pipe.

Water Distribution (inside building)

- ☐ Provide water heater type and location. Indicate source of combustion air if gas-fired.
- ☐ Indicate size of all water supply pipes.
- ☐ Show any required backflow devices and their location.
- ☐ Provide fixture schedule (indicate flush valve where provided).

Waste & Vent

- ☐ Provide plan and isometric view of plumbing systems.
- ☐ Clearly show size and location of all waste pipe and vents (label fixtures).
- ☐ Clearly show location of all cleanouts.

Kitchen Plumbing

- ☐ Clearly label fixtures intended for food prep to verify indirect connection.
- ☐ Clearly show (only) fixtures likely to receive grease waste will be drain to grease interceptor.

Storm Water

- ☐ Provide size of conductors and leaders and amount of roof area served.
- ☐ Show secondary drainage where applicable.

Gas Plans

- ☐ Provide load in btu's of all appliances on meter (existing and new).
- ☐ Provide schematic showing lengths, sizes, and pressure of pipe.
- ☐ Provide means to supply combustion air.